

# **USER MANUAL**

**4/9/16 CHANNELS**

**DIGITAL VIDEO RECORDER**

**CYBER VIEW**

**REMOTE SURVEILLANCE SOFTWARE USER GUIDE**

# INSTRUCTION MANUAL

To obtain the best performance and ensure device function correctly, please read this instruction manual carefully and completely.

## FCC Compliance

**USER-INSTALLER CAUTION:** YOUR AUTHORITY TO OPERATE THIS FCC VERIFIED EQUIPMENT COULD BE VOIDED IF YOU MAKE CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE TO PART 15 OF THE FCC RULES.

**NOTE:** THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS A DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES. THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE WHEN THE EQUIPMENT IS OPERATED IN A COMMERCIAL ENVIRONMENT. THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTION MANUAL, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS.

OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE HARMFUL INTERFERENCE IN WHICH CASE THE USER WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT HIS OWN EXPENSE.

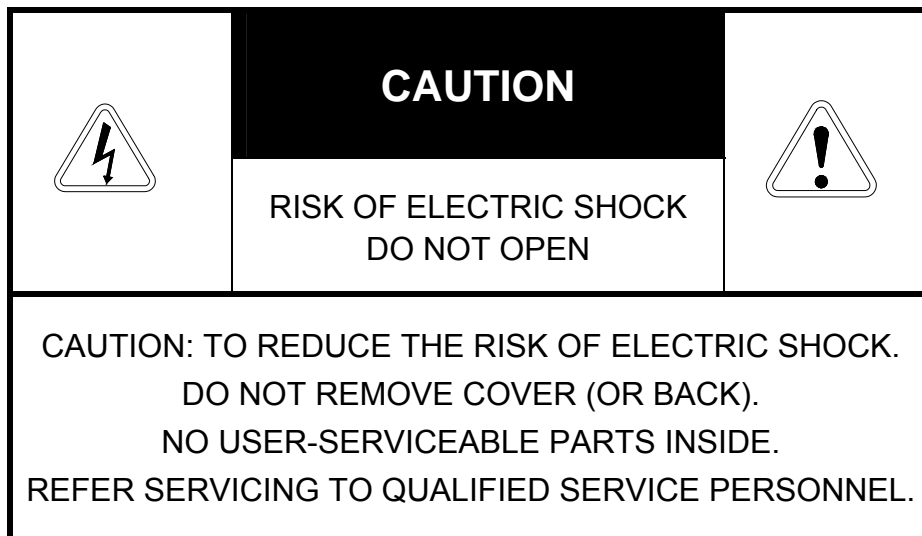
THIS CLASS A DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE CANADIAN INTERFERENCE-CAUSING EQUIPMENT REGULATIONS.

## Warnings and Cautions

### WARNINGS

TO PREVENT THE RISK OF FIRE OR ELECTRIC SHOCK. DO NOT EXPOSE THIS PRODUCT TO RAIN OR MISTURE.  
DO NOT INSERT ANY METALLIC OBJECT THROUGJ VENTILATION GRILLS.

### CAUTION



### Explanation of Graphical Symbols



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of insinuated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instruction in the literature accompanying the product.

USERS OF THE SYSTEM ARE RESPONSIBLE FOR CHECKING AND COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND STATUTES CONCERNING THE MONITORING AND RECORDING OF VIDEO AND AUDIO SIGNALS. ULTRAK SHALL NOT BE HELD RESPONSIBLE FOR THE USE OF THIS SYSTEM IN VIOLATION OF CURRENT LAWS AND STATUTES.

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## Cyber View Reversion History

Version	Date	Modification
3.02	15/Jul/2004	4/9/16-ch DVR , Official release
3.12	01/Oct/2004	Add CF Card Backup function
3.13	26/Oct/2004	Add DDNS Schedule Update function

# Cyber View

## Remote Surveillance Software Installation Guide

### 1. Minimal system requirement

#### 1.1 Computer hardware

1. CPU : Intel Pentium or AMD, 800MHz or above
2. Microsoft Windows 98, ME, 2000 or XP
3. 128MB RAM or above
4. 5GB available hard drive space
5. 800x600 display monitor with 16 bit color

#### 1.2 Software

1. Inside the CD there are two types. Cht represents the application program and manual in Chinese language. Eng represents the application program and manual in English language.
2. Application program: IPInstallerCht.exe: Chinese user interface  
IPInstallerEng.exe: English user interface
3. If Microsoft O.S is utilized, inside the computer it is necessary to have IE browser.Ver6.0.
4. If Linux O.S. is utilized, for the setting please refer to the setting of Linux.

#### 1.3 Installation:

As there are different network systems, therefore there are a few different installation methods that will be introduced separately.

1. (Static IP) fixed IP
2. (Dynamic IP) dynamic IP
3. (PPPoE) dialing method

For various installation methods.

### 2. Operation manual

#### 2.1 Installation method

Install the IPInstallerEng.exe first and the desk will provide IP scanning function.

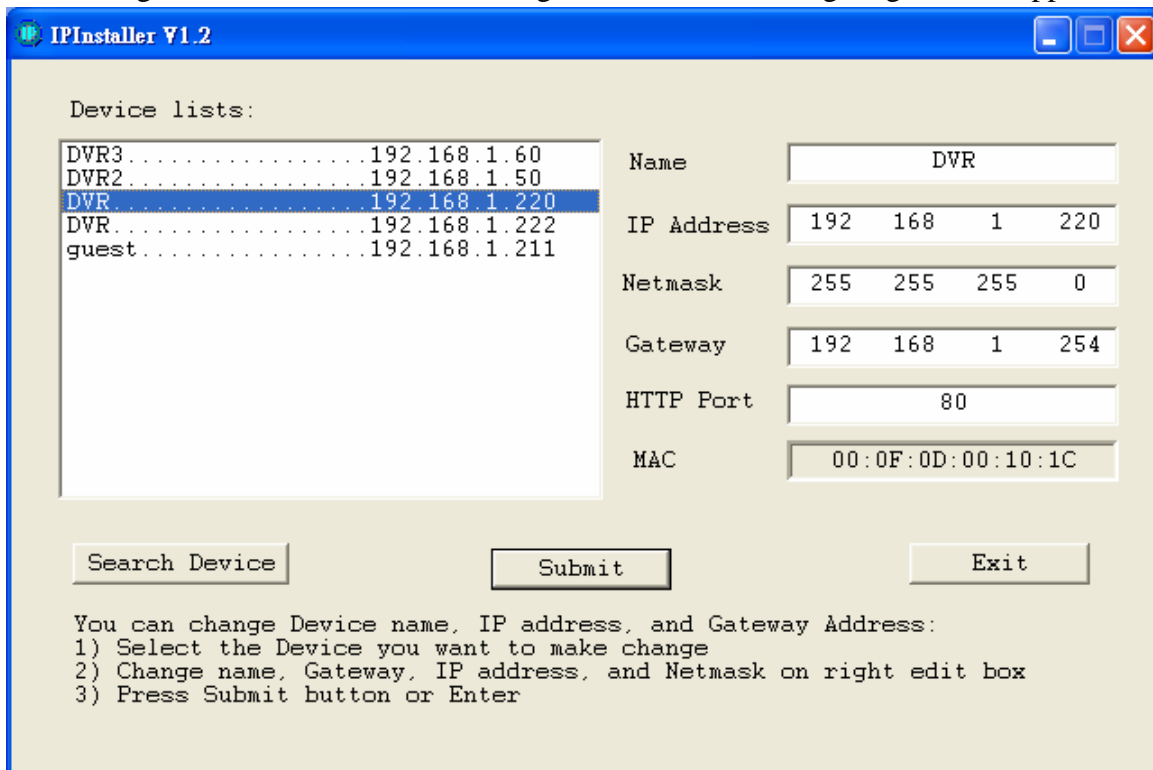
If IPInstallerEng.exe is installed, omit the setting explanation in 2.3

IP position setting

Install the machine inside the LAN internal network or utilize cross-over interlaced network

cable directly (in the accessories pack) and one computer to conduct direct connection. This step is to set the IP position of the DVR.

Following this execute the IPInstallerEng.exe and the following diagram will appear:



The “Device lists” on the left will list out all DVR on LAN. When the equipment is pointed by the mouse, the right side will show the parameters of various networks. Various parameters can be revised on it and by pressing the “Submit” on the lower part, the revision is completed.

Attention: Please input correct network parameters.

Search Device: please search for all devices on the LAN once.

Exit: Exit

## 2.2 IE browser setting (only requires first time usage setting)

If this setting is already installed with IPInstallerEng.exe, the setting of this explanation can be exempted.

IE→tool→Internet network option→safety→self assigned level

The above three options are all based on reselect as the prompt.

As indicated in the diagram.

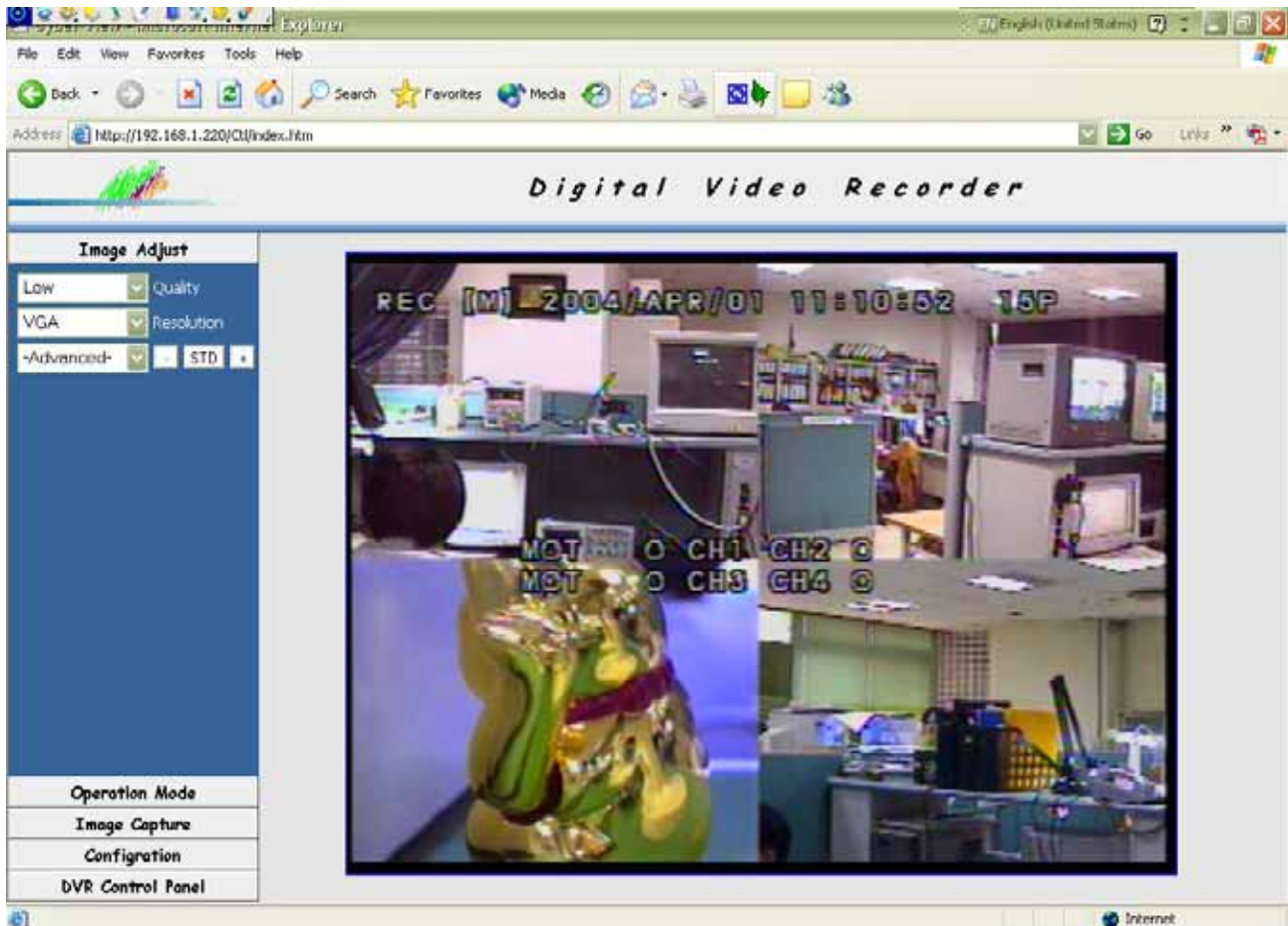
1. Tool
2. Internet option
3. Safety
4. Self assigned level

The above three are all set as prompt. During registration, please select 『yes』

### 2.3 Network on-line

After setting up the IP based on the above step, connect to the intended network or LAN.  
Execute IE directly on PC. Directly input IP to conduct on-line as the following diagram:  
Default : User name : admin , password : admin.

The left side of the above diagram is the control panel and the right side is image display.



## 2.4 Network control

The left area is the control panel of the network as indicated in the following diagram.



Divided into four types of control:

1. **Image Adjust** : **Quality**, with three options – High / Medium / Low.

**Resolution**: three kinds including VGA / CIF / QCIF.

**Advances**: Brightness/Contrast/Saturation/Hue/Sharpness.

PS : For PAL system 16-ch DVR, VGA resolution, just have only one quality : Low..

For PAL system 8-ch DVR, VGA resolution, just have two kinds quality : Medium / Low.

2. **Operation mode** : **Continuous** and **Periodic**:

Cyclical and user can select how many seconds interval and then send out image.

3. **Image Capture**: **Recording** and **Snapshot**. For detail description, please refer to "2.5 Record/Snapshot".

4. **Configuration** :

**View Log**, For detail description, please refer to "2.6 View Log".

**System setting** for detail description, please refer to "2.7 System setting"

**User Management**, for detail description, please refer to "2.8 User Management"

**Network setting**, for detail description, please refer to "2.9 Network setting"

**Dynamic DNS**, for detail description, please refer to "2.10 DDNS setting"

**Alarm and Motion Detection**, for detail description, please refer to "2.11 Alarm and Motion Detection"

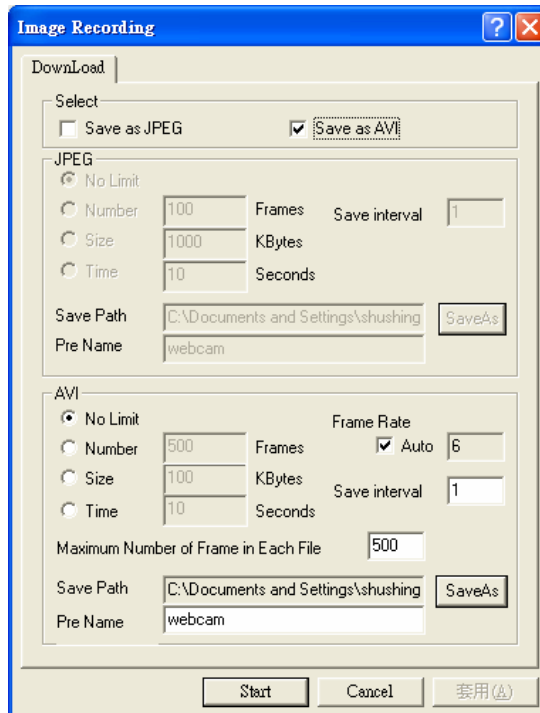
5. **DVR Control Panel** : for detail description, please refer to "2.12 DVR Control Panel".



## 2.5 Record/Snapshot

### 2.5.1 Record

Push “Recording” key, the Panel will appear as the following diagram:



On the most upper part select “Select:

Save as JPEG: will record as JPEG file with one by one image video recording.

Save as AVI: will record as AVI file with one section image video recording.

JPEG and AVI can be set separately:

No limit: no limitation on the size of file.

Number: will limit how many frames in the file is the maximum number.

Size: will limit the maximum capacity of the file by how many Kbytes.

Time: will limit the longest video recording of the file by how many seconds.

Frame rate: how many frames will be recorded within one second.

Save interval: how many frame intervals before conducting video recording again, 1 represents 1 frame.

Maximum Number of Frame Each File: Maximum number of frames for each file.

Save Path: Path of saved file.

Pre Name: Name of the saved file.

“Start” at the most lower part will start the video recording. “Cancel”

### 2.5.2 Snapshot

Push “Snapshot” key, the Panel will appear the image, save as file.

## 2.6 View Log

These records include : IP that connects to the computer , MAC address , time

However, after the DVR power is turned off, these records will be removed.

<b>DVR Logs    http://192.168.1.212</b>				
Main Info	Appended Info	Operator IP	Operator MAC	Time
System Boot				2/2/2004 19:33
New client		127.0.0.1		2/2/2004 19:33
New client		192.168.1.102	00:01:29:40:8D:5F	2/2/2004 19:33
New client		192.168.1.107	00:01:29:40:92:50	2/2/2004 19:34
Set Server IP		127.0.0.1		2/3/2004 9:13
New client		192.168.1.117	00:01:29:36:47:DC	2/3/2004 9:16
New client		192.168.1.51	00:0C:6E:C9:4B:DE	2/3/2004 9:51
New client		192.168.1.57	00:0B:CD:EA:25:A9	2/3/2004 10:4

## 2.7 System Setting

There are total 6 subjects need to be set.

### 1. Server Information

<b>System Setting    http://192.168.1.229</b>	
Server Information	
Version:	Version 3.02
DVR Title:	<input type="text" value="DVR"/>
	<input type="button" value="Change"/>

Version : Display the present version.

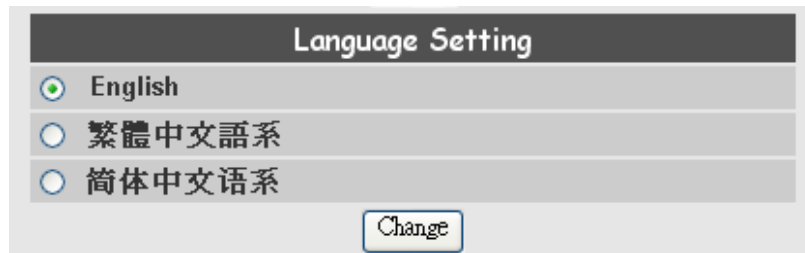
DVR Title : the name seen at the network end in Chinese and English. Press “Change” on the lower part to complete.

### 2. Device's time setting

Device's time Setting	
Device's time:	2/1/2003 8:39:25 Time Zone: GMT+08:00
Time zone:	<input type="text" value="GMT+08:00"/>
<input checked="" type="radio"/> NTP	
NTP Server:	<input type="text" value="time.stdtime.gov.tw"/>
<input checked="" type="radio"/> Input new time <input checked="" type="checkbox"/> Synchronize with PC's time	
Date:	<input type="text" value="5/3/2004"/>
Time:	<input type="text" value="19:10:27"/>
	<input type="button" value="Adjust"/>

Device's time : Can select two kinds – “NTP” time setting or “Input new time”. After setting, press “Adjust” on the lower part to complete.

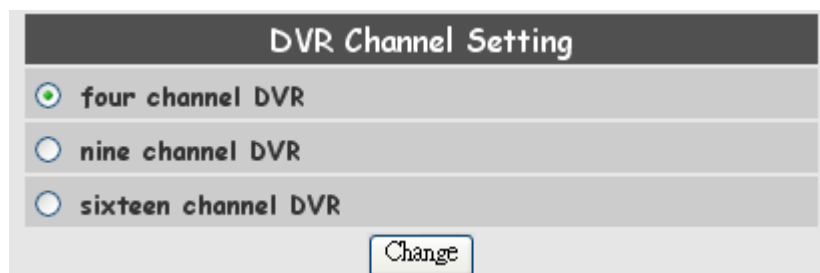
### 3. Language Setting



The screenshot shows a menu titled "Language Setting". It contains three radio button options: "English" (which is selected), "繁體中文語系" (Traditional Chinese), and "簡體中文語系" (Simplified Chinese). At the bottom right of the menu is a button labeled "Change".

Can select three kinds : “English” / “Tradition Chinese” / “Simple Chinese”. After setting, press “Change” on the lower part to complete.

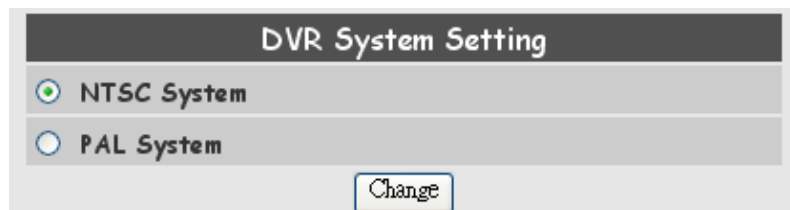
### 4. DVR Channel Setting



The screenshot shows a menu titled "DVR Channel Setting". It contains three radio button options: "four channel DVR" (which is selected), "nine channel DVR", and "sixteen channel DVR". At the bottom right of the menu is a button labeled "Change".

Can select 3 kinds : “four channel DVR” / “eight channel DVR” / “sixteen channel DVR”. After setting, press “Change” on the lower part to complete.

### 5. DVR System Setting



The screenshot shows a menu titled "DVR System Setting". It contains two radio button options: "NTSC System" (which is selected) and "PAL System". At the bottom right of the menu is a button labeled "Change".

Can select 2 kinds : “NTSC System” / “PAL System”. After setting, press “Change” on the lower part to complete.

### 6. Others



The screenshot shows a menu titled "Others". It contains two options, both underlined: "Reboot DVR" and "Firmware update".

Reboot DVR : After pressing, only the network card will reboot the machine. However, the DVR machine will not reboot.

Firmware update : Program of network update on-line. Attach file name .bin

## 2.8 User Management

**User Management** http://192.168.1.220

**User authorization required**

☐ Yes ☒ No

Set

☒ Administrator ☒ Guest

**Add a user or change password**

Username:

Password:

Confirm:

Set & Change

**Delete user**

Username:

Delete

**Current users list**

1: [guest](#)

2: [admin](#)

User authorization required : Yes, set password. No, do not set password.

Add a user or change password: username, password and confirm require being the same. Then press “Set & Change” to input.

Delete user: User name will list out names of all users. Most upper top “admin” is the highest level user and cannot be deleted. Others are general users. After it is being pointed, press “Delete” to delete.

User name list: List out names of all users.

Default : User authorization required : Yes

Username : admin Password : admin

PS : System will need to reboot when once the administrator username is modified.

## 2.9 Network Setting

For IP setting, there are two methods, one is IP Assignment and the other is PPPoE.

### 2.9.1. IP Assignment

**Network Setting** <http://192.168.1.229>

**IP Assignment ( To take effect, system must reboot. )**

**LAN**

☒ **Manually**

IP address: 192.168.1.229

Subnet mask: 255.255.255.0

Default gateway: 192.168.1.254

☐ **Automatically by DHCP**

Send mail after DHCP: ☐ on ☒ off

DHCP Subject:

**DNS Setting**

DNS 1: 0.0.0.0

DNS 2: 0.0.0.0

DNS 3: 0.0.0.0

**Port Setting**

Http Port: 80

☐ **Reboot immediately**

**Save Setting**

IP Assignment :

LAN

Manually : setting IP address / Subnet mask / Default gateway

Automatically by DHCP : setting Send mail after DHCP / DHCP Subject.

DNS Setting :

Setting DNS1 / DNS2 / DNS3

Port Setting : setting http port.

After setting revision is completed, please push “Reboot the immediately”. Then press “Save Setting” to input.

## 2.9.2 PPPoE

**PPPoE** [Save & Dial Now](#)

☐ **Dial On Power Up**

Username:

Password:

☐ **Send mail after dialed**

Mail server:

Username on mail server:

☐ Password:

Sender email:

Receiver email:

CC email:

Bcc email:

Subject:

[Save Setting](#)

Dial On Power Up : after selection utilizes the PPPoE.

Username : Name of user provided by the PPPoE network.

Password : User password provided by the PPPoE network.

Send mail after dialed : Mail sent out after dialing is completed: suggest selection and utilization

Mail server : name of the server (SMTP) provided by the PPPoE network

Username on mail server :

Password : password provided by the PPPoE network that is set based on the PPPoE network and it is not essential.

Sender email : E-mail address provided by the PPPoE network.

Receiver email : E-mail address for receiving mail.

CC email : to other E-mail address.

Bcc email : Bcc E-mail address.

Subject : DVR PPP Dialed!, can be revised.

## 2.10 DDNS

**Dynamic DNS** <http://192.168.1.222>

☐ Enable ☒ Disable

UserName

Schedule Update

**State**

[Submit](#)

Can select “Enable” or “Disable”

When selecting execution of DDNS, it is necessary to set the Username

Schedule Update : Can select 4 kinds – disable / 1 hour / 1 day / 2day.

Submit : Login after the setting is completed.

Example : Username : test

State status information :

- Register DNS Entry : <http://test.ddns.camddns.com>  
DDNS registration successful, can now log in the DVR by <http://test.ddns.camddns.com>.
- Updating Failed, The name test is already registered  
Representing the name already been taken.
- Updating Failed, Please check your internet connection.  
Representing connection problem, please check with your network connection status and make sure network setting has been set properly. Please also check the DNS field which under Configuration→Network has also been set properly.
- Updating→ Updating, please wait.
- Not Update / Idle→ No auction is performed.

## 2.11 Alarm and Motion Detection

This function allow you to send out images by email or FTP when motion or alarm are triggered.

Mail Setting

**Alarm and Motion Detection** <http://192.168.1.229>

Mail Setting ( for sending images detected )	
Mail server :	<input type="text"/>
Username :	<input type="text"/>
<input type="checkbox"/> Password :	<input type="text"/>
Sender email :	<input type="text"/>
Receiver email :	<input type="text"/>
CC email :	<input type="text"/>
Bcc email :	<input type="text"/>
Subject :	DVR Warning!
<input type="checkbox"/> Send mail when alarm and motion detected.	

Mail server : name of the server (SMTP) provided by the network

Username on mail server : provided by the network

Password : password provided by the network that is set based on the network and it is not essential.

Sender email : E-mail address provided by the network.

Receiver email : E-mail address for receiving mail.

CC email : to other E-mail address.

Bcc email : Bcc E-mail address.

Subject : DVR Warning!, can be revised.

Send mail when alarm and motion detected : must check to perform this function.

#### FTP Setting

☐ Send mail when alarm and motion detected.

**FTP Setting ( for uploading images detected )**

FTP server :

Username :

Password :

Port :

Upload path :

☐ Upload images when alarm and motion detected.

Ftp Server : Enter either IP address or URL of the FTP server.

Username : Username for accessing the FTP site.

Password : Password for accessing the FTP site.

Port : FTP port number.

Upload path : Enter correct path for uploading. Default value is the root of FTP server if you leave it empty. Please make sure you have write privilege.

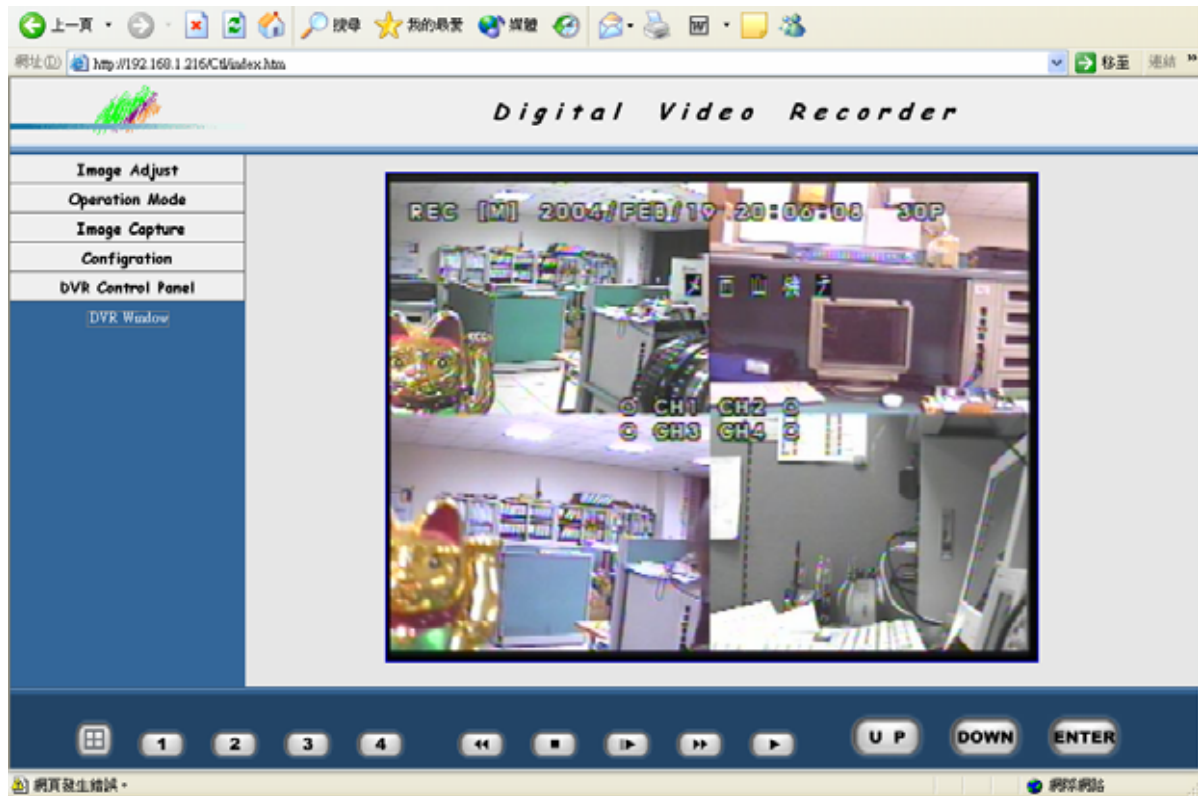
Upload images when alarm and motion detected : Check it to upload images when alarm or motions are triggered.

Save Setting : Save setting including FTP and email.



## 2.12 DVR Control Panel

### 2.12.1 4-ch DVR



Part	Label	Function
1-4	1-4	This View button controls FULL SCREEN display from camera 1 – 4 .
5		Quad screen: All cameras are displayed.
6		6 times speed fast rewind mode.
7		Press Stop to stop playback or recording.
8		Press Pause to pause (field by field) for forward.
9		Press F. Fwd to play video forward at high speed. Press the button again the speed will be change circulative from x2,x4 , to the highest x6.
10		Press the Play button to into time search and play video forward.
11		Playback mode : Time Search , increase the number Event List , Move the cursor upward
12		Playback mode : Time Search , decrease the number Event List , Move the cursor downward .

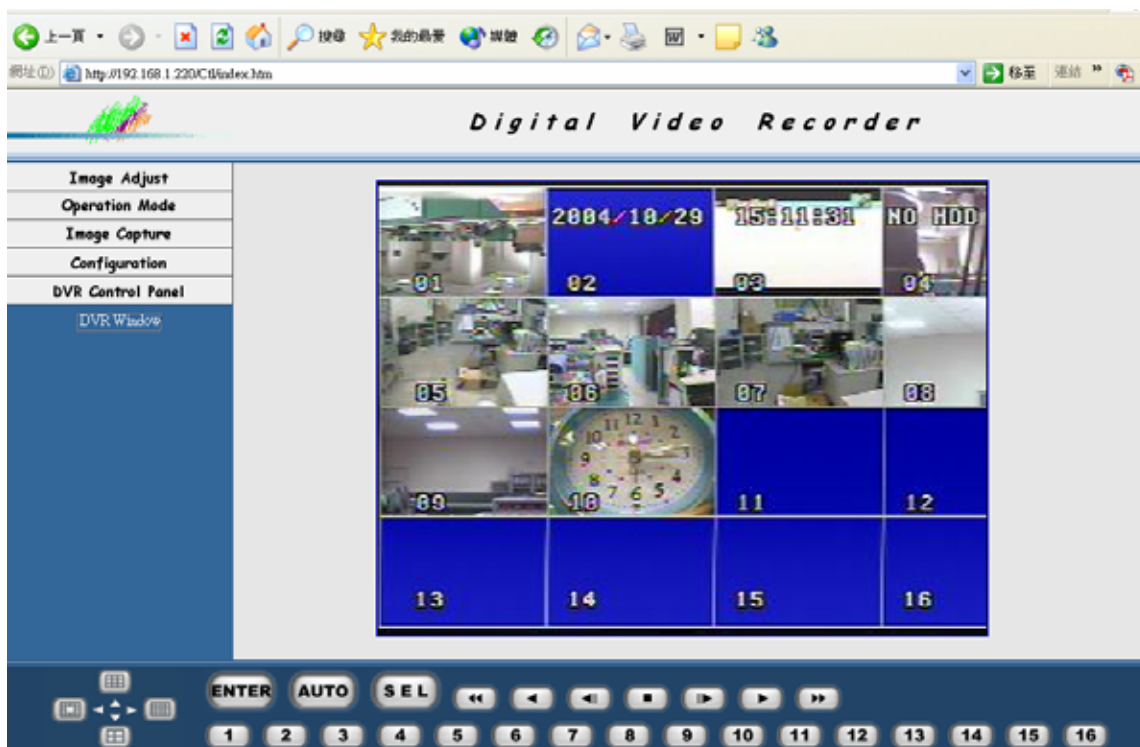
13	ENTER	<ol style="list-style-type: none"> <li>1. Playback mode : Move the cursor rightward.</li> <li>2. You can use ENTER key to indicates H.D.D status when system is not under Menu mode.</li> </ol>
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## 2.12.2 9-ch/16-ch DVR






For 9-channel DVR



For 16-channel DVR .






















### 9-ch / 16-ch DVR Play Back Instruction:

1. Press  button for pulling out playback time search panel which is located in the middle of video screen.
2. Press  or  for moving the cursor to the left and press  or  for moving right.

When moving on your ideal time position, press  or  to gain the number or press  or  to reduce the number of playback month, date or year.

Press “Enter” key to start playback.

Part	Label	Function
<b>1-16</b>	1-9 or 1-16	This View button controls FULL SCREEN display from camera 1-9 or 1-16.
<b>17</b>	 9	Select quad formats at <b>9ch DVR</b> model.
	 16	Select 9 camera formats at <b>16ch DVR</b> model.
		Move upward or increase the number.
<b>18</b>	 9	Select full screen of camera at <b>9ch DVR</b> model.
	 16	Select quad formats at <b>16ch DVR</b> model.
		Move downward or decrease the number.
<b>19</b>	 9	Select 8 camera formats at <b>9ch DVR</b> model in live mode.
	 16	Select 13 camera formats at <b>16ch DVR</b> model.
		Move leftward or decrease the number
<b>20</b>	 9	Select 9 camera formats at <b>9ch DVR</b> model.
	 16	Select 16 camera formats at <b>8ch DVR</b> model.
		Move rightward or increase the number
<b>21</b>	ENTER	Press ENTER button to make choose or move cursor forward or make confirm in MENU system
<b>22</b>	AUTO	Press AUTO SW to switch channel by channel automatically.
<b>23</b>	SEL	Press this button to select the different assembled of camera formats.
<b>24</b>		2 / 4 / 6 / 8 times speed fast rewind mode, speed and rewind sign will be indicated in top left corner on the screen.
<b>25</b>		Press the Rew button to play video backward, press the button again to circulative change from normal speed to 1/2 speed and 1/4 speed
<b>26</b>		Press Field Rew to pause video backward

<b>27</b>		Press Stop to stop playback
<b>28</b>		Press Field Fwd to pause video forward
<b>29</b>		Press the Play button to play video forward, press the button again to circulative change from normal speed to 1/2 speed and 1/4 speed
<b>30</b>		Press F. Fwd to play video forward at high speed. Press the button again the speed will be change circulative from ×2,×4,×6, to the highest ×8.